

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010791.D
 Acq On : 04 Oct 2022 13:39
 Operator : KP/MD
 Sample : N4943-05
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:27:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

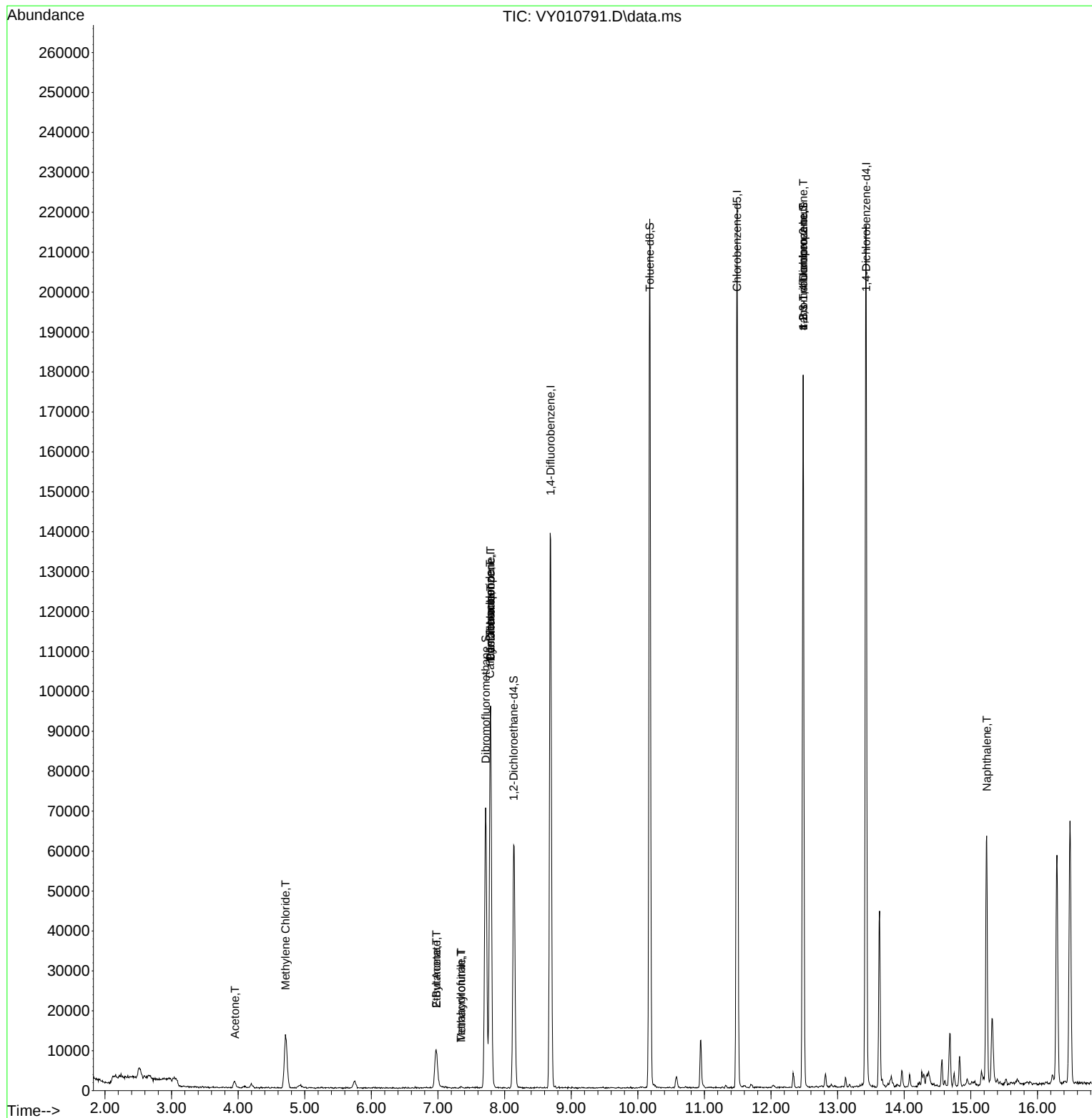
Internal Standards						
1) Pentafluorobenzene	7.789	168	75906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	124244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	120957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	58271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48944	63.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.220%	
35) Dibromofluoromethane	7.716	113	48938	59.337	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.680%	
50) Toluene-d8	10.179	98	142779	50.622	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.483	95	51690	46.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	1033	Below Cal	#	77
16) Acetone	3.954	43	2987	15.286	ug/l #	85
20) Methylene Chloride	4.710	84	10198	7.469	ug/l #	76
25) 2-Butanone	6.978	43	1035	3.684	ug/l #	54
29) Tetrahydrofuran	7.344	42	256	1.550	ug/l #	38
31) Cyclohexane	7.789	56	1656	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	5810	4.880	ug/l #	46
37) Ethyl Acetate	6.978	43	1035	1.772	ug/l #	40
38) Carbon Tetrachloride	7.783	117	7529	6.071	ug/l #	16
41) Methacrylonitrile	7.350	41	87	2.822	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	26818	45.446	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26818	94.933	ug/l #	7
95) Naphthalene	15.239	128	54208	27.883	ug/l	98

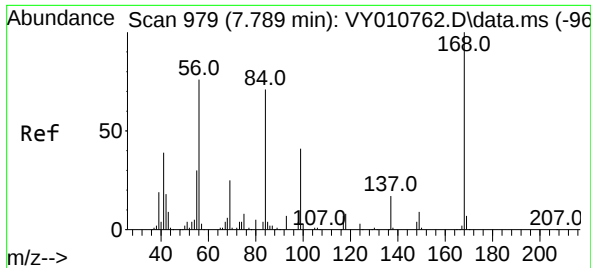
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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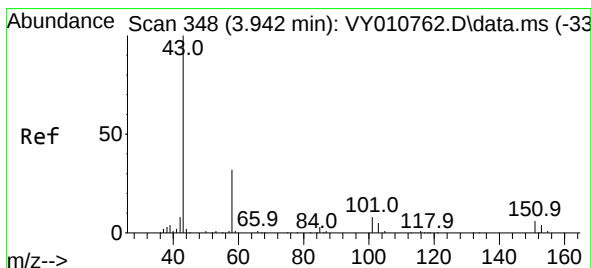
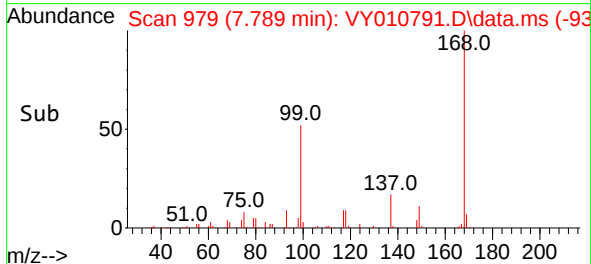
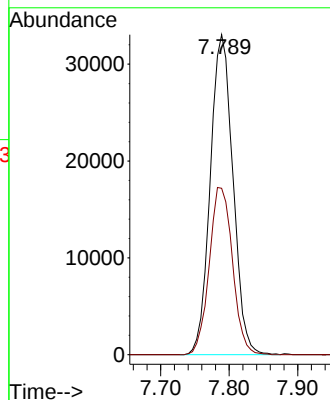
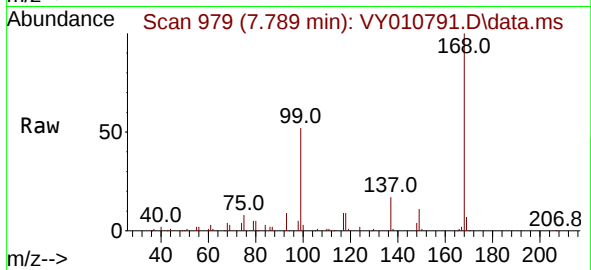




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

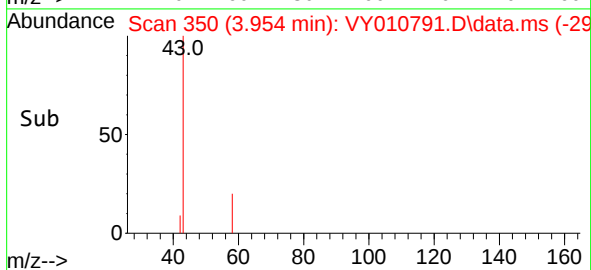
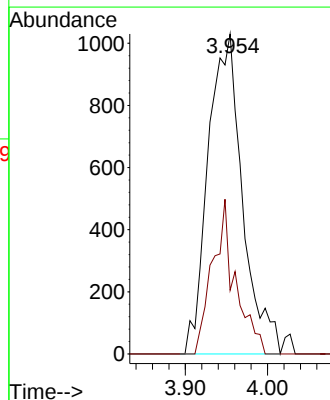
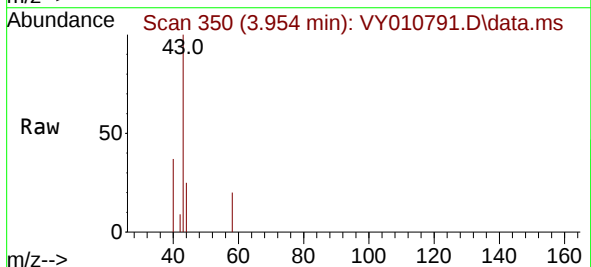
Instrument :
MSVOA_Y
ClientSampleId :

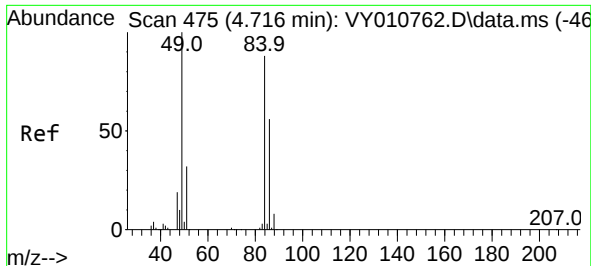
Tgt Ion:168 Resp: 75906
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#16
Acetone
Concen: 15.286 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
58 19.9 22.0 33.0#





#20

Methylene Chloride

Concen: 7.469 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

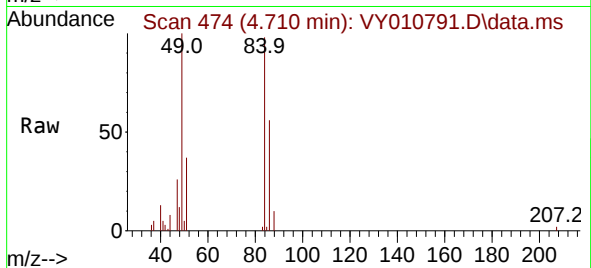
Lab File: VY010791.D

Acq: 04 Oct 2022 13:39

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 10198

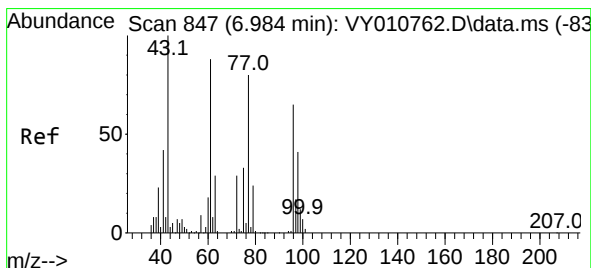
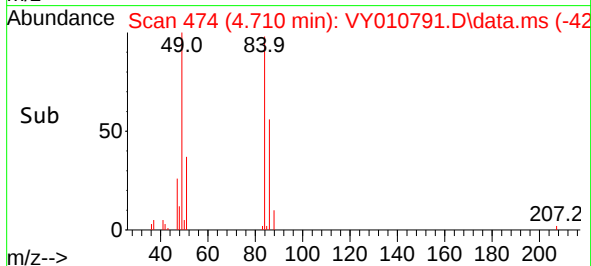
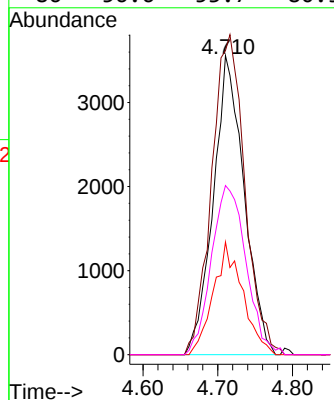
Ion Ratio Lower Upper

84 100

49 101.7 114.4 171.6#

51 37.7 35.3 52.9

86 56.6 53.7 80.5



#25

2-Butanone

Concen: 3.684 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010791.D

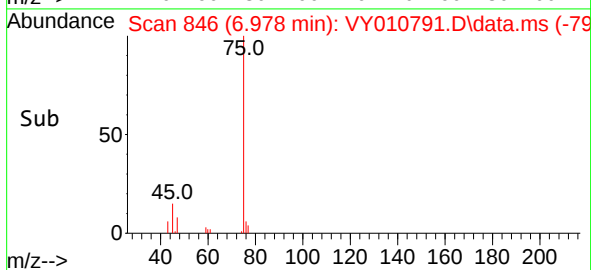
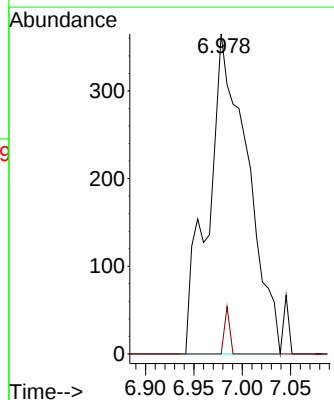
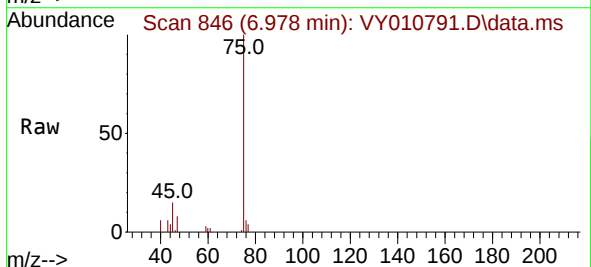
Acq: 04 Oct 2022 13:39

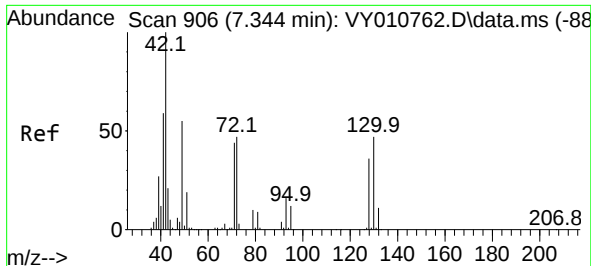
Tgt Ion: 43 Resp: 1035

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.550 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

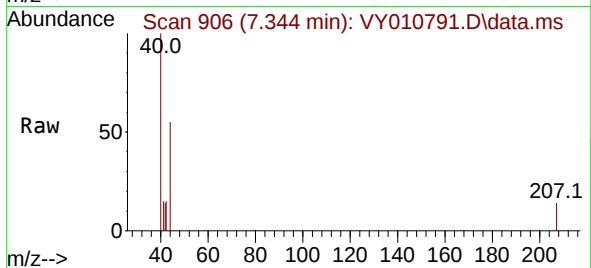
Lab File: VY010791.D

Acq: 04 Oct 2022 13:39

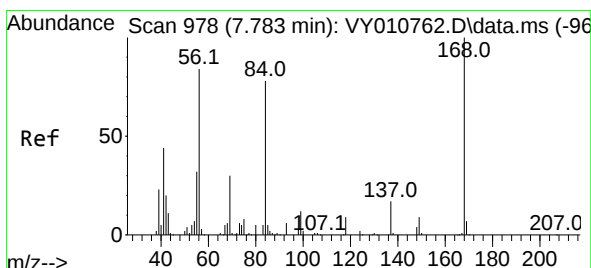
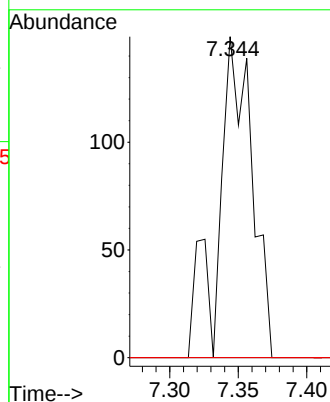
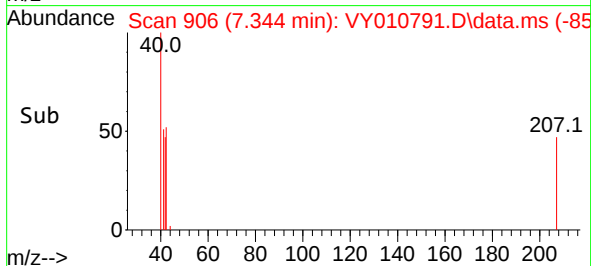
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	256
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#31

Cyclohexane

Concen: 1.202 ug/l

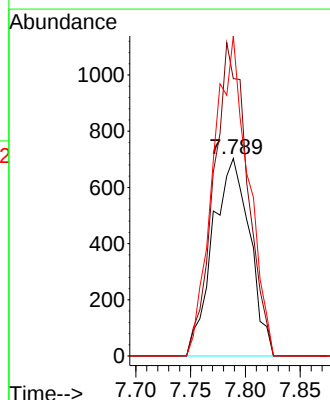
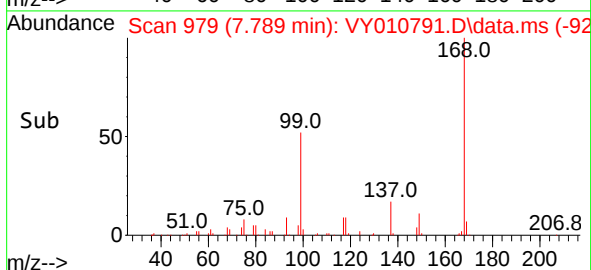
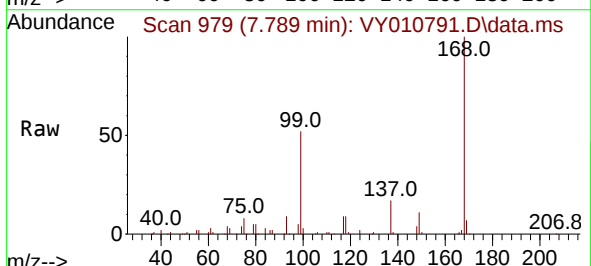
RT: 7.789 min Scan# 979

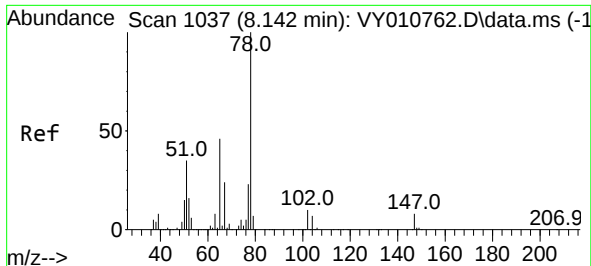
Delta R.T. 0.006 min

Lab File: VY010791.D

Acq: 04 Oct 2022 13:39

Tgt Ion:	56	Resp:	1656
Ion	Ratio	Lower	Upper
56	100		
69	140.4	26.7	40.1#
84	162.0	67.2	100.8#

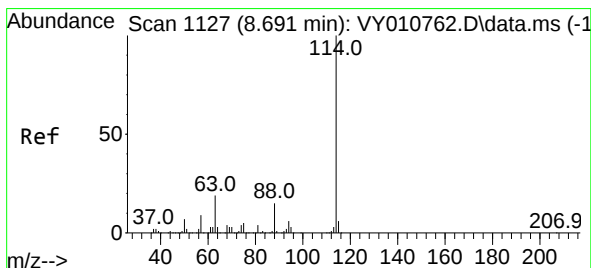
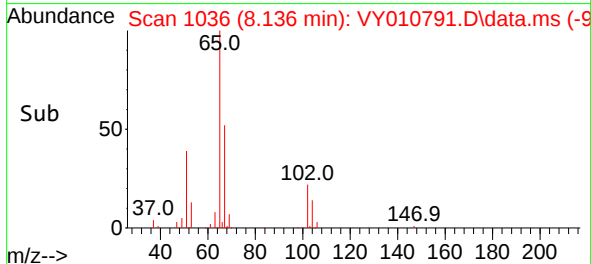
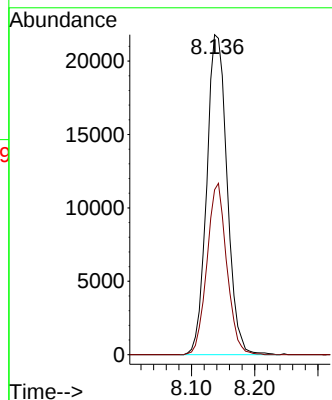
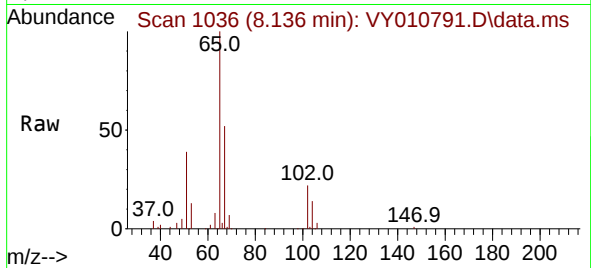




#33
 1,2-Dichloroethane-d4
 Concen: 63.613 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.005 min
 Lab File: VY010791.D
 Acq: 04 Oct 2022 13:39

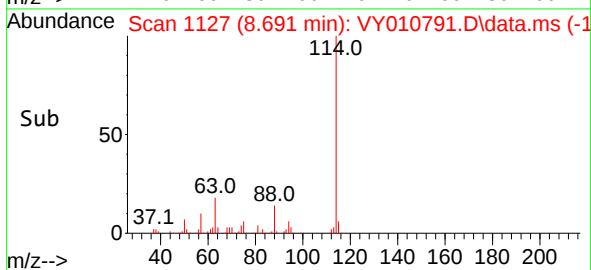
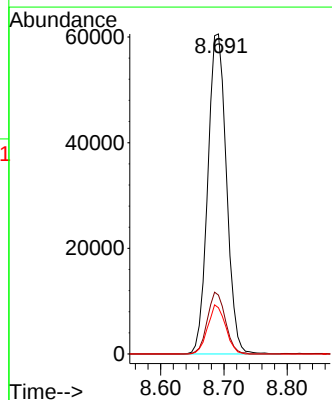
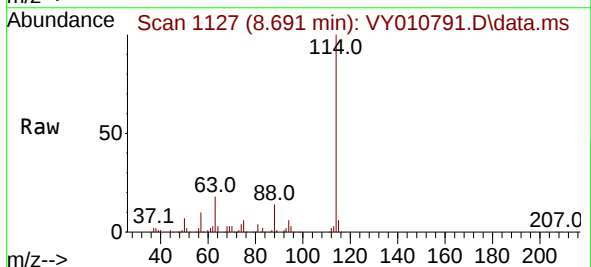
Instrument :
 MSVOA_Y
 ClientSampleId :

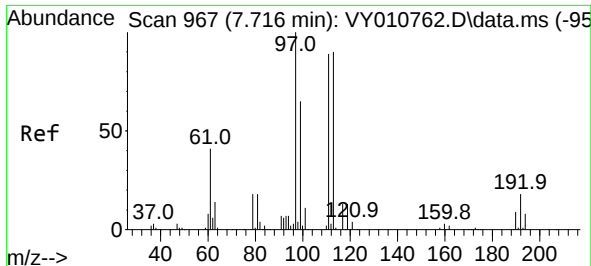
Tgt Ion: 65 Resp: 48944
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY010791.D
 Acq: 04 Oct 2022 13:39

Tgt Ion: 114 Resp: 124244
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 43.2
 88 14.5 0.0 31.8

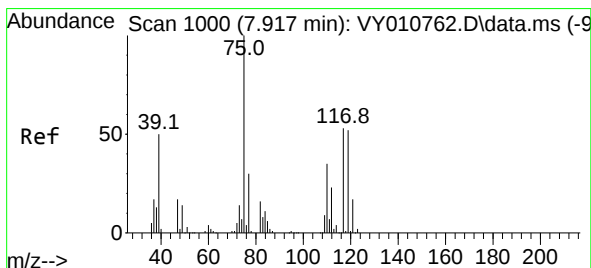
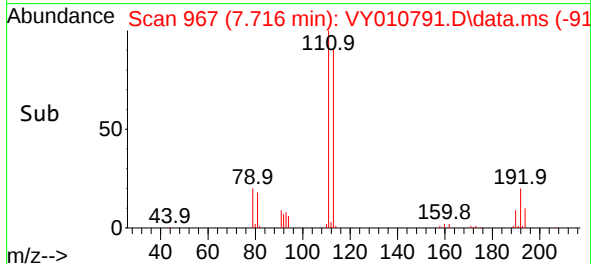
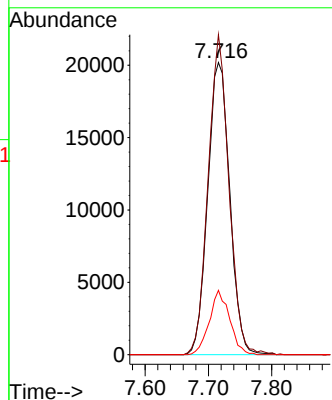
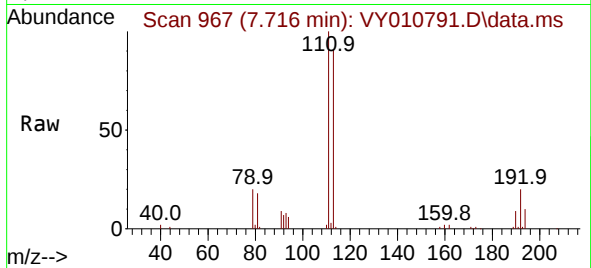




#35
Dibromofluoromethane
Concen: 59.337 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

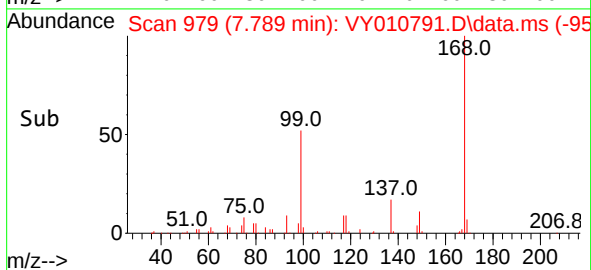
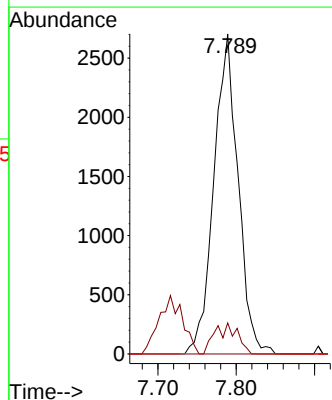
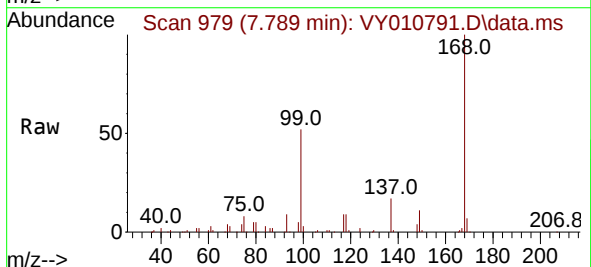
Instrument :
MSVOA_Y
ClientSampleId :

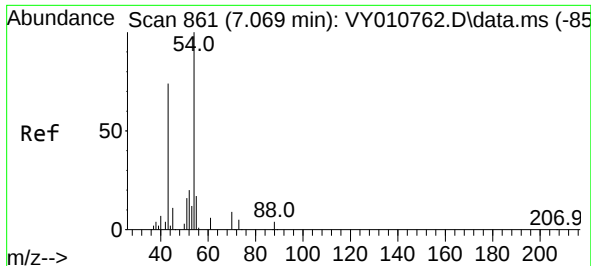
Tgt Ion:113 Resp: 48938
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 20.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

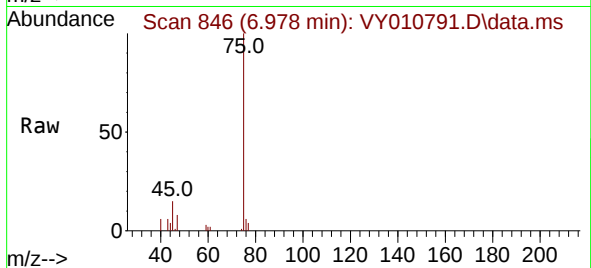
Tgt Ion: 75 Resp: 5810
Ion Ratio Lower Upper
75 100
110 4.1 17.1 51.2#
77 0.0 24.4 36.6#



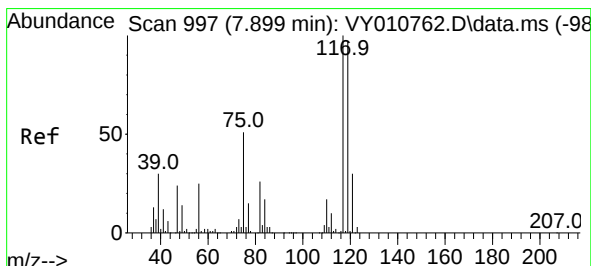
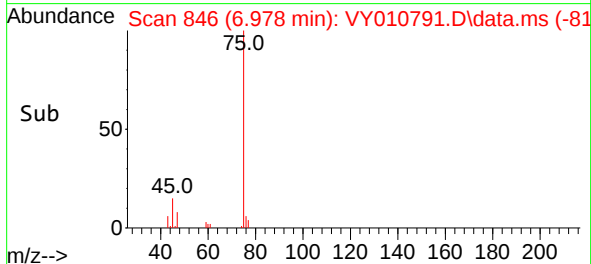
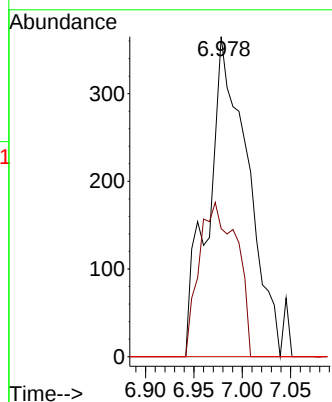


#37
Ethyl Acetate
Concen: 1.772 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Instrument :
MSVOA_Y
ClientSampleId :

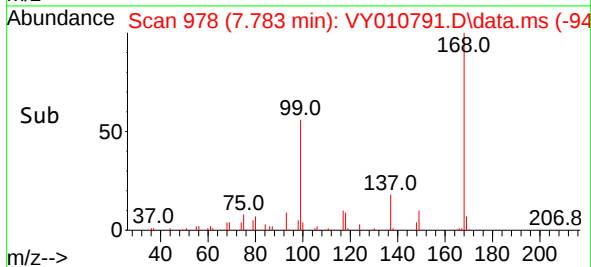
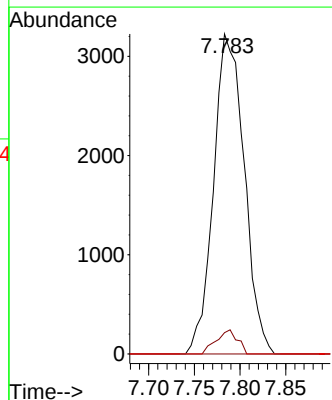
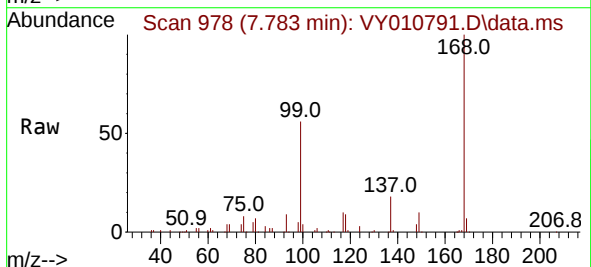


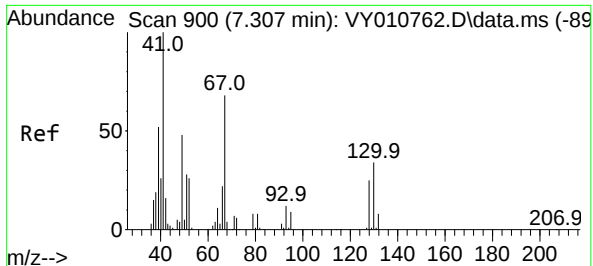
Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
61 45.8 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

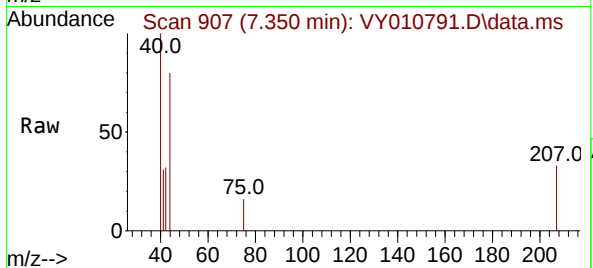
Tgt Ion: 117 Resp: 7529
Ion Ratio Lower Upper
117 100
119 6.6 77.9 116.9#
121 0.0 24.8 37.2#



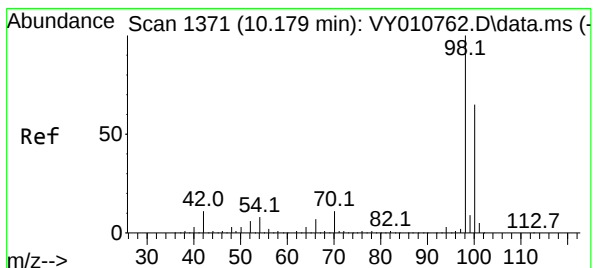
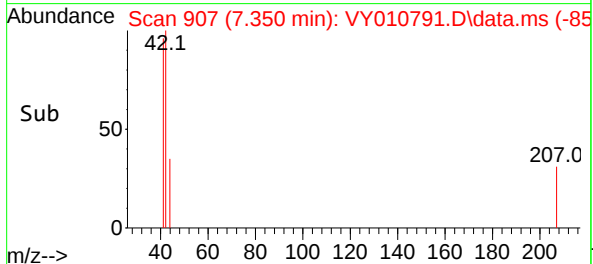
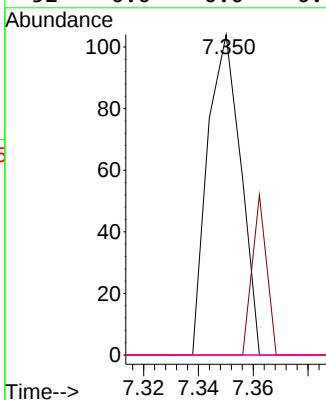


#41
Methacrylonitrile
Concen: 2.822 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Instrument :
MSVOA_Y
ClientSampleId :

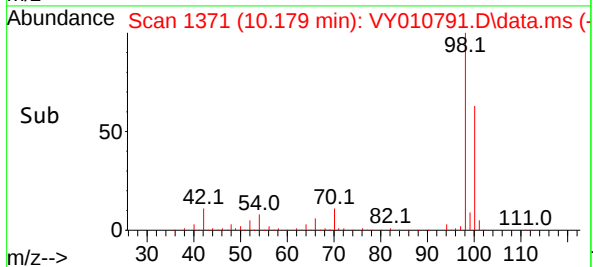
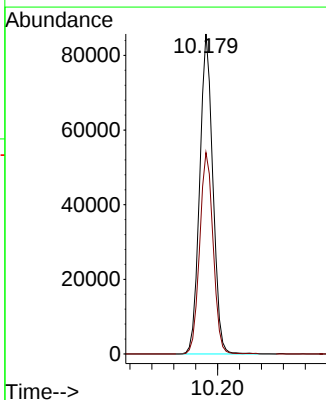
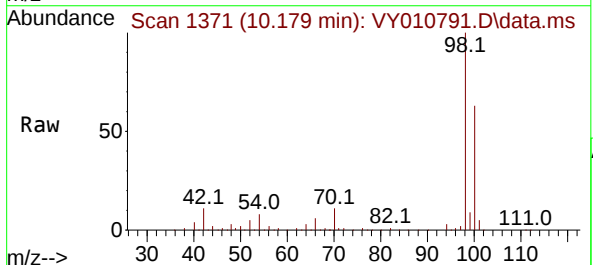


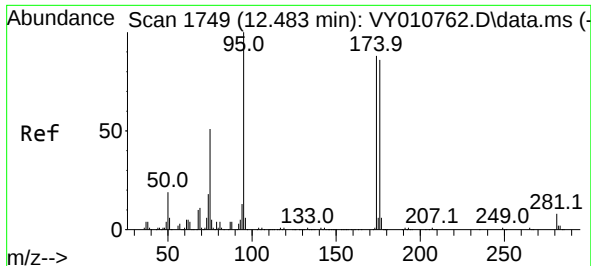
Tgt Ion: 41	Resp: 87
Ion Ratio	Lower Upper
41 100	
39 21.8	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 50.622 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Tgt Ion: 98	Resp: 142779
Ion Ratio	Lower Upper
98 100	
100 64.0	50.2 75.2

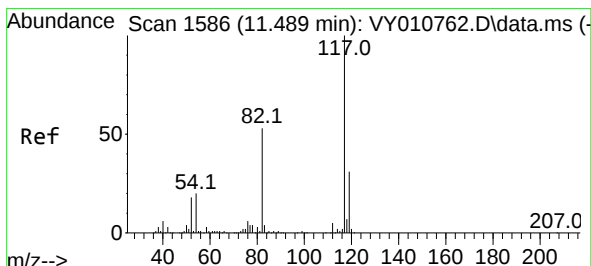
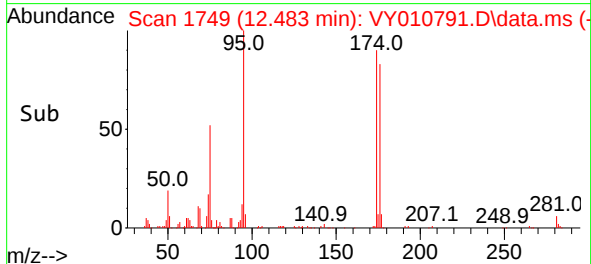
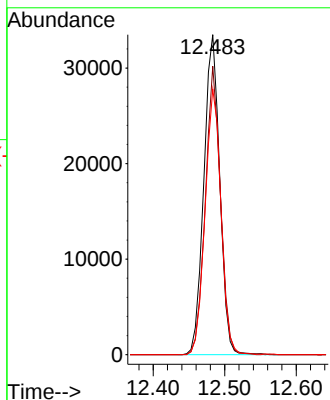
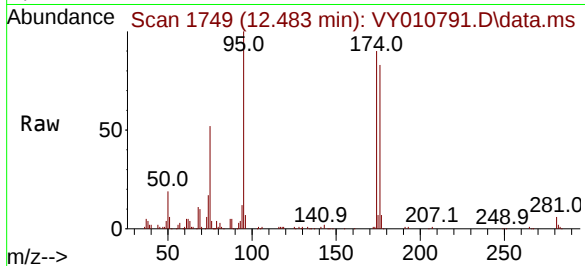




#62
4-Bromofluorobenzene
Concen: 46.663 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

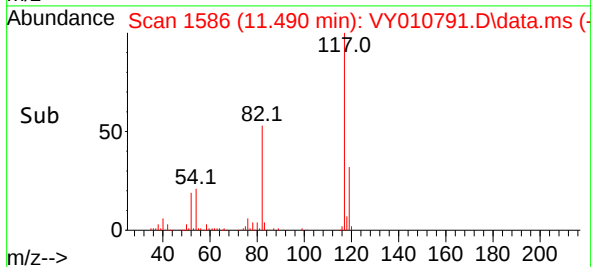
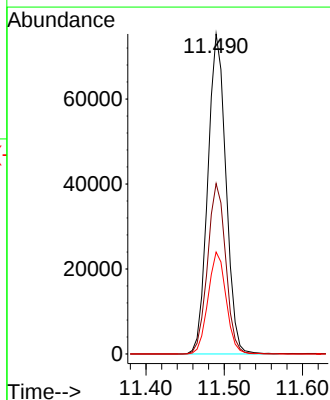
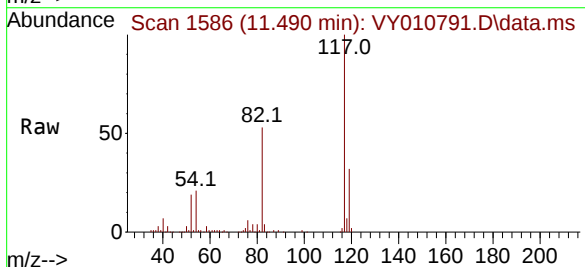
Instrument :
MSVOA_Y
ClientSampleId :

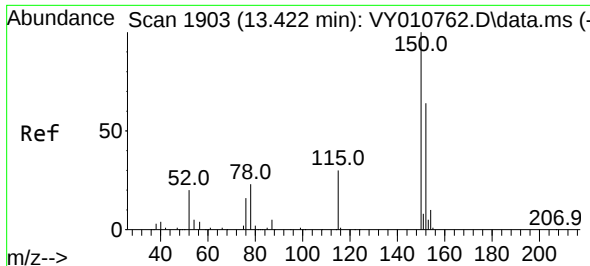
Tgt Ion: 95 Resp: 51690
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Tgt Ion: 117 Resp: 120957
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.8 25.4 38.0

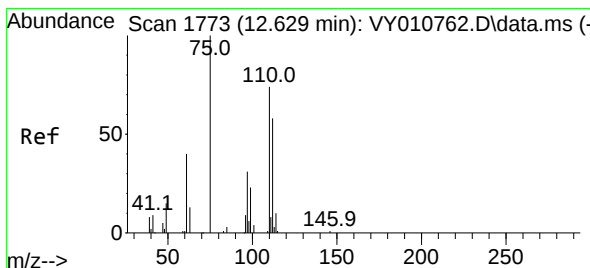
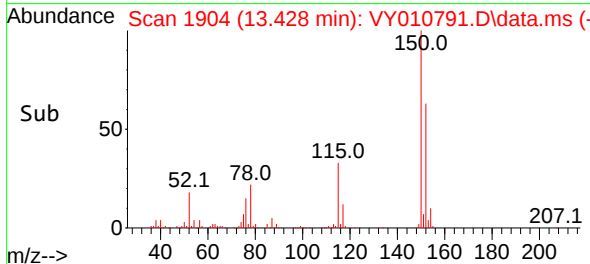
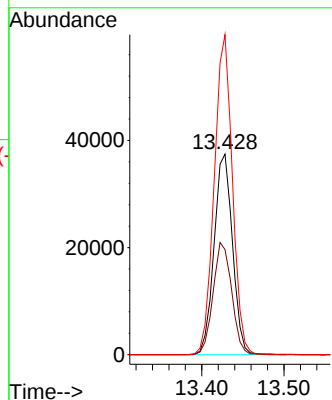
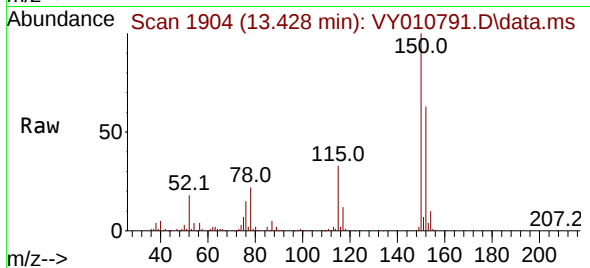




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010791.D
 Acq: 04 Oct 2022 13:39

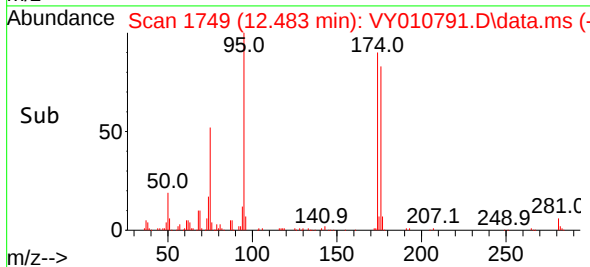
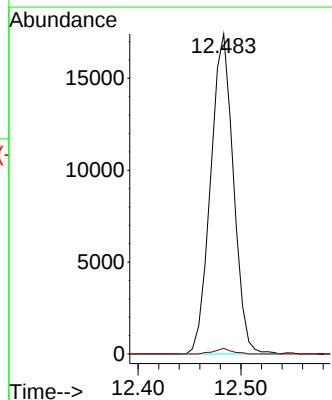
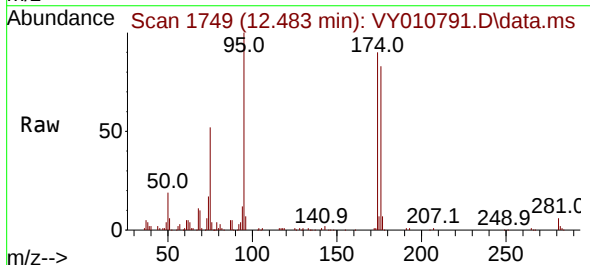
Instrument :
 MSVOA_Y
 ClientSampleId :

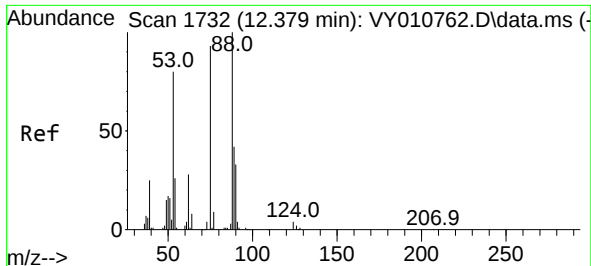
Tgt Ion:152 Resp: 58271
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 157.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.446 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY010791.D
 Acq: 04 Oct 2022 13:39

Tgt Ion: 75 Resp: 26818
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

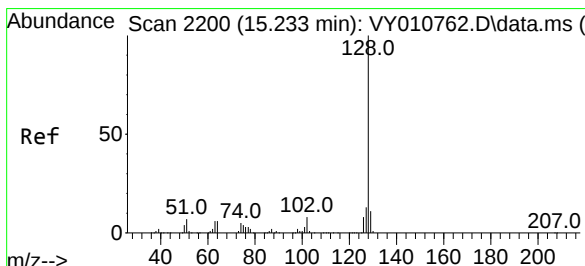
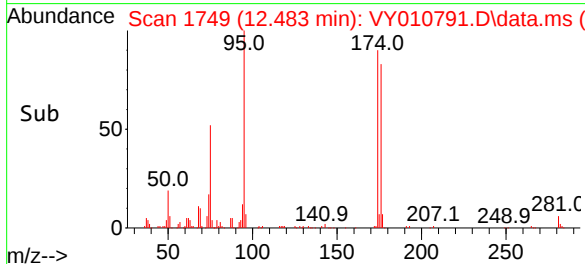
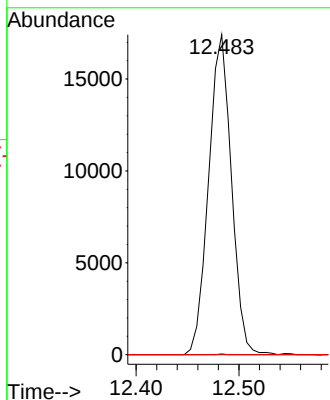
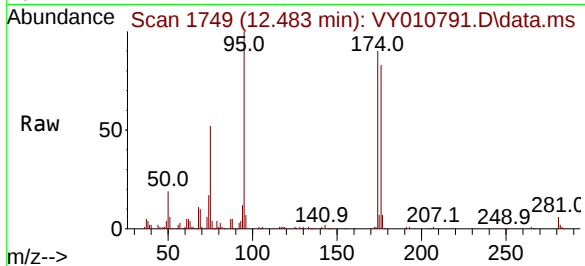




#81
trans-1,4-Dichloro-2-butene
Concen: 94.933 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 26818
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 27.883 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010791.D
Acq: 04 Oct 2022 13:39

Tgt Ion:128 Resp: 54208
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.4
129 11.1 8.4 12.6

